

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Tomohisa Sakurai, et al.

Docket No.

14243ZA

U.S. PTO
31353
10/7/74914

Serial No.

Unassigned

Filing Date

Herewith

Examiner

Unassigned

Group Art Unit

Unassigned

Invention: **ULTRASONIC OPERATION APPARATUS FOR PERFORMING FOLLOW-UP CONTROL OF
RESONANCE FREQUENCY DRIVE OF ULTRASONIC OSCILLATOR BY DIGITAL PLL SYSTEM
USING DDS (DIRECT DIGITAL SYNTHESIZER)**

I hereby certify that this **NEW UTILITY PATENT APPLICATION (DIVISIONAL)**
(Identify type of correspondence)


is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under
37 CFR 1.10 in an envelope addressed to: Director of the United States Patent and Trademark Office, P.O. Box
1450, Alexandria, VA 22313-1450 on

February 9, 2004

(Date)

Steven Fischman

(Typed or Printed Name of Person)


(Signature of Person)EV 244124463 US

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UTILITY PATENT APPLICATION TRANSMITTAL

(Larg Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
14243ZATotal Pages in this Submission
4**TO THE COMMISSIONER FOR PATENTS**Mail Stop Patent Application
P.O. Box 1450
Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**ULTRASONIC OPERATION APPARATUS FOR PERFORMING FOLLOW-UP CONTROL OF RESONANCE
FREQUENCY DRIVE OF ULTRASONIC OSCILLATOR BY DIGITAL PLL SYSTEM USING DDS (DIRECT
DIGITAL SYNTHESIZER)**

and invented by:

Tomohisa Sakurai
Yoshitaka Honda
Kazue Tanaka
Hiroo Ono
Hiroyuki Takahashi

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:
☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 10/414,984

Which is a:

☒ C ntinuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 09/774,920

Which is a:

☐ C ntinuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 75 pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☒ Cross References to Related Applications (if applicable)
 - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
 - d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings (if filed)
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

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Applicant Elements (Continued)

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
- a. ☒ Formal Number of Sheets 21
- b. ☐ Informal Number of Sheets _____
4. ☒ Oath or Declaration
- a. ☐ Newly executed *(original or copy)* ☐ Unexecuted
- b. ☒ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
- c. ☒ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☒ Incorporation By Reference *(usable if Box 4b is checked)*
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under
Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby
incorporated by reference therein.
6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. ☐ Application Data Sheet (See 37 CFR 1.76)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
- a. ☐ Computer Readable Form (CRF)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statement(s) Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

9. ☐ Assignment Papers *(cover sheet & document(s))*
10. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*
11. ☐ English Translation Document *(if applicable)*
12. ☒ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail *(Specify Label No.):* EV 244124463 US

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Accompanying Application Parts (Continued)

17. ☒ Additional Enclosures *(please identify below)*:

ASSIGNEE NAME: OLYMPUS CORPORATION
ASSIGNEE RESIDENCE: TOKYO, JAPAN

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

18. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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(Larg Entity)

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[19] Correspondence Address

Customer No. 23389

Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	9*	- 20 =	0	x \$18.00	\$0.00
Indep. Claims	2*	- 3 =	0	x \$86.00	\$0.00
Multipl Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
*Number of claims after Preliminary Amendment					BASIC FEE \$770.00
OTHER FEE (specify purpose) _____					\$0.00
TOTAL FILING FEE					\$770.00

- ☒ A check in the amount of **\$770.00** to cover the filing fee is enclosed.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **19-1013/SSMP** as described below.
- ☐ Charge the amount of _____ as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).


Signature

Steven Fischman
Registration No. 34,594

Dated: February 9, 2004

CC: